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(21) International Application Number: PCT/US (22) International Filing Date: 26 June 1998 ((30) Priority Data: 08/883,656 27 June 1997 (27.06.97) (63) Related by Continuation (CON) or Continuation-in (CIP) to Earlier Application US 08/883,6 Filed on 27 June 1997 ((71) Applicant (for all designated States except US): ONT INC. [US/US]; 45 Moulton Street, Cambridge, M. (US). (72) Inventor; and (75) Inventor/Applicant (for US only): MAHANTHAPPA K. [US/US]; 240 Norfolk Street, Cambridge, M. (US). (74) Agents: VINCENT, Matthew, P. et al.; Foley, Hoag LLP, One Post Office Square, Boston, MA 02109	26.06.9 un-Part 656 (CI 27.06.9 TOGEN 1A 021 A, Nages 1A 021 g & Eli (US).	BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasaian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments. (88) Date of publication of the international search report: 1 April 1999 (01.04.99)
(54) Title: NEUROPROTECTIVE METHODS AND RE	AGEN	rs

(57) Abstract

One aspect of the present application relates to a method for limiting damage to neuronal cells by ischemic or epoxic conditions, e.g., such as may be manifest by a reduction in brain infarct volume, by administering to an individual a hedgehog therapeutic or ptc therapeutic in an amount effective for reducing cerabral infarct volume.

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	ENTS CONSIDERED TO BE RELEVANT	rolovant pagazasa	Date: 11 11 11
Category '	Citation of document, with indication, where appropriate, of the	relevant passages	Relevant to claim No.
X	US 5 519 035 A (MAIESE KENNETH 21 May 1996	ET AL)	1-12, 16-19, 21-28, 30-38
	see abstract see column 2, line 20-34; claim examples 1,2	s 1-5;	
X	SATOH ET AL.: "Neuroprotective of a protein kinase inhibitor as Ischemia-induced neuronal damage and gerbils" BRITISH JOURNAL OF PHARMACOLOGY vol. 118, no. 7, 1996, pages 159 XP002092077 see abstract	gainst e in rats ,	1-12, 16-19, 22-28, 30-38
		-/	
X Funt	her documents are listed in the continuation of box C.	X Patent family mem	nbers are listed in annex.
"A" docume consic "E" earlier of filing of the citation "O" docume which citation "O" docume other of the citation of the cita	ategories of cited documents: ent defining the general state of the art which is not dered to be of particular relevance document but published on or after the international date ent which may throw doubts on priority claim(s) or is cited to establish the publication date of another in or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or means ent published prior to the international filing date but han the priority date claimed	or priority date and not cited to understand the invention "X" document of particular r cannot be considered i involve an inventive stemant of particular r cannot be considered document is combined	d after the international filing date in conflict with the application but a principle or theory underlying the elevance; the claimed invention novel or cannot be considered to ap when the document is taken alone elevance; the claimed invention to involve an inventive slep when the with one or more other such docuon being obvious to a person skilled as same patent family
Date of the	actual completion of the international search		nternational search report
3	February 1999	18/02/1999	9
Name and r	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Authorized officer A. Jakobs	

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X Claims Nos.: 1-34, 40 because they relate to subject matter not required to be searched by this Authority, namely: Remark: Although claims 1-34, 40 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. X Claims Nos.: - because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically: See FURTHER INFORMATION SHEET PCT/ISA/210
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest The additional search fees were accompanied by the applicant's protest. No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210 In view of the large number of compounds, which are defined by the general definition(s)/formulae used in claims 1-20, 22-40, the search had to be restricted for economic reasons. The search was limited to the compounds for which pharmacological data was given and/or the compounds mentioned in the claims, and to the general idea underlying the application. (See Guidelines, chapter III, paragraph 2.3).

information on patent family members

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